

NAILLEGEND

Cuticle Oil

Compliance & Technical Dossier

Jojoba-Based Anhydrous Oil Blend · Vitamin E + Essential Oil / Fragrance | Dropper · Brush-Cap · Roller/Pen Applicators

Issued by: **NailLegend** · naillegend.com

Contact: Lareina · info@naillegend.com

WhatsApp: +852 6759 2416

Issue date: 2026-06-22 · Version 1.0



WeChat



WhatsApp

CONFIDENTIAL — for the intended recipient only. Representative technical & compliance data.

Table of Contents

0. Dossier Overview & Legal Notice	1
1. INCI Ingredient List	3
2. Technical Data Sheet (TDS)	5
3. Safety Data Sheet (SDS)	7
4. Formulation Disclosure Statement	9
5. Fragrance Allergen Declaration	11
6. IFRA Conformity Statement	13
7. Tree-Nut Source Allergen Declaration	14
8. Stability Test Report	16

0. Dossier Overview & Legal Notice

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** Compliance & Technical Dossier — Overview | **Issue date:** 2026-06-22 | **Version:** 1.0

What this dossier is

This is the **Compliance & Technical Dossier** for the NailLegend **Cuticle Oil** category — an **anhydrous (water-free) oil blend** for the nail cuticle and nail plate (jojoba-based carrier system with Vitamin E antioxidant and essential-oil / fragrance; supplied in dropper, brush-cap and roller/pen applicators). It brings together, in one document, the technical and regulatory information a brand-owner or distributor needs when sourcing this product on an OEM / Private-Label basis for the **US (FDA)** and **EU (Regulation EC 1223/2009)** markets.

The data in this dossier are **representative of NailLegend's standard production** for this category. They are typical values issued by NailLegend's in-house quality function. For a specific order, the figures are reconfirmed against the **final agreed formula and production batch**, and batch-specific certificates of analysis are issued with shipment.

Anhydrous product — what changes

Cuticle oil is a **100% oil-phase, water-free** product. Because there is no water, it does not support microbial growth and **carries no preservative system**; for that reason this dossier contains **no preservative-efficacy (challenge) test and no routine microbiological specification**. Instead, the controlling shelf-life risk is **oxidative rancidity** of the carrier oils and essential oils, which is managed by an **antioxidant system (tocopherol / Vitamin E) plus light- and oxygen-protective packaging** and verified in the Stability section (peroxide value, appearance, odour).

Regulatory responsibility

Final market-placement responsibility — FDA cosmetic listing (MoCRA), EU CPNP notification, appointment of the EU Responsible Person, the Cosmetic Product Safety Report (CPSR), the Product Information File (PIF), and final labelling and claims — rests with the **brand owner / importer**.

NailLegend, as the manufacturer, supplies the supporting technical documents in this dossier to enable that work.

Claims guardrails

A cuticle oil claiming **nourishing, conditioning, moisturizing, softening, improving the look of cuticles and nails** is a **cosmetic**. Wording such as "*cures nail fungus*," "*treats onychomycosis*," "*antifungal*," or "*medical*" reclassifies the product as a **drug (OTC)** and triggers separate regulation. Keep claims cosmetic — "*nourishes and conditions cuticles / helps reduce the look of dryness*," not "*cures / treats*." This applies in particular to tea-tree and other essential-oil lines, where functional efficacy must not be claimed.

How to read the data

- **Composition & specification** (INCI, TDS, formulation disclosure, fragrance-allergen / IFRA / tree-nut statements) describe the product as manufactured.
- **Test section** (stability — oxidative) presents the applicable **methods, acceptance criteria, and typical results** for this product, issued by NailLegend's in-house QC. They represent standard production performance; batch-specific certificates accompany each shipment.

NailLegend · naillegend.com — OEM / Private-Label Personal Care. Representative technical & compliance data. Confidential — for the intended recipient only.

1. INCI Ingredient List

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** INCI Ingredient List (representative — jojoba-based anhydrous blend) | **Issue date:** 2026-06-22 | **Version:** 1.0

The list below is the representative INCI composition for the Cuticle Oil. The definitive descending-order list and on-pack allergen call-outs are confirmed against the final agreed formula for each order before use on artwork or for CPNP notification. Ingredients in *italics* are line-dependent (carrier blend, premium add-ons, fragrance / essential-oil variants).

INCI declaration (descending order)

#	INCI name	Function
1	Simmondsia Chinensis (Jojoba) Seed Oil	Carrier / emollient (primary base)
2	<i>Caprylic/Capric Triglyceride</i>	Light, oxidation-stable carrier (fractionated-coconut-derived)
3	<i>Vitis Vinifera (Grape) Seed Oil</i>	Light carrier / emollient
4	<i>Prunus Amygdalus Dulcis (Sweet Almond) Oil</i>	Emollient carrier (tree-nut source — see Section 7)
5	Tocopherol	Antioxidant (Vitamin E)
6	<i>Helianthus Annuus (Sunflower) Seed Oil</i>	Carrier of tocopherol / emollient
7	<i>Squalane</i>	Emollient (premium skin-feel line)
8	<i>Rosmarinus Officinalis (Rosemary) Leaf Extract</i>	Antioxidant (natural / ROE)
9	<i>Parfum (Fragrance)</i>	Fragrance (omitted in fragrance-free line)
10	<i>Lavandula Angustifolia (Lavender) Oil</i>	Essential oil (aromatherapy line)
11	<i>Melaleuca Alternifolia (Tea Tree) Leaf Oil</i>	Essential oil (tea-tree line)
12	<i>Citrus Limon (Lemon) Peel Oil</i>	Essential oil (citrus line)
13	<i>Linalool, Limonene, Citronellol, Geraniol, Citral</i>	Fragrance allergens (declared at threshold — see Section 5)

Notes for labelling

- **Ordering** is representative of standard production; the exact descending-order list is issued for the locked formula of each order.
- **Anhydrous:** the product contains **no water and no preservative**; oxidative stability is controlled by Tocopherol (+ optional rosemary extract) — see Sections 4 and 8.
- **EU fragrance allergens** present at or above the labelling threshold (0.001% leave-on) appear in the on-pack INCI list — see Section 5. Allergens from natural essential oils (e.g. linalool, limonene) are declared on the same basis.
- **Essential oils** are dosed within IFRA limits for leave-on use — see Section 6.
- **Tree-nut-source oils** (e.g. sweet almond) are flagged for allergen advisory — see Section 7.

NailLegend · naillegend.com — Representative INCI composition; confirmed per final formula. Confidential — for the intended recipient only.

2. Technical Data Sheet (TDS)

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** Technical Data Sheet (representative specification) | **Issue date:** 2026-06-22 | **Version:** 1.0

1. Product description

A leave-on cosmetic **cuticle oil**: an **anhydrous (water-free) oil blend** applied to the cuticle, nail fold and nail plate to **nourish, condition and improve the look** of the nail and surrounding skin. The product works by an **occlusive + emollient** mechanism (oil film seals in moisture and replenishes lipids). It is supplied in three applicator forms — **dropper bottle, brush-cap bottle, and roller/cuticle pen** — with the same core oil phase; the form drives precision of application, not the formula.

2. Physical & chemical specification (typical)

Property	Specification	Method
Appearance	Clear, limpid oil; free of particles / sediment	Visual (transmitted light)
Colour	Colourless to pale yellow (unless tinted/herb-infused to brief)	Visual
Odour	Characteristic of essential oil / fragrance dosed; or near-odourless (fragrance-free)	Olfactory
Composition	Anhydrous — 100% oil phase, no water	—
pH	Not applicable (non-aqueous product)	—
Relative density (25 °C)	0.855 – 0.890 g/cm ³	Pycnometer
Refractive index (25 °C)	1.460 – 1.475	Refractometer
Viscosity (25 °C)	25 – 70 mPa·s	Brookfield LV, sp.1
Peroxide value (PV) at release	≤ 10 meq O ₂ /kg	AOCS Cd 8b-90 (in-house)
Acid value	≤ 2.0 mg KOH/g	AOCS Te 1a-64 (in-house)
Net content	To order (e.g. 7.5 / 11 / 15 mL dropper or brush; 3 / 5 mL pen)	—

3. Microbiological status (anhydrous product)

The product is a **water-free oil blend with no available water (low water activity)** and therefore does **not support microbial growth**. It carries **no preservative system**, and **no preservative-efficacy (challenge) test or routine microbiological specification applies** (see Sections 0 and 4). Cleanliness is assured by filtered oils and clean filling, not by preservation.

4. Packaging & primary material

- **Dropper form:** amber / coloured glass bottle + glass pipette dropper (light barrier — standard, not optional).
- **Brush-cap form:** lacquer-style glass bottle + brush applicator cap.
- **Roller / pen form:** roller-ball or twist-pen barrel (PP/PE + steel ball), light-protective tint preferred.
- **Light protection is functional**, not cosmetic: it limits photo-oxidation of carrier and essential oils. Secondary: carton / gift box / manicure-set tray to brief.

5. Storage, shelf life & usage

Item	Value
Storage	Cool, dry place, away from direct sunlight and heat ; 5 – 25 °C; keep closed
Shelf life	24 months unopened; PAO 12M after opening
Directions	Apply a small amount to cuticles / nail base; massage in. Use daily as a conditioning ritual.
Warnings	External use only. Avoid eyes. Discontinue if irritation occurs. Natural oils may cloud or thicken at low temperature — returns to normal at room temperature.

NailLegend · naillegend.com — Representative specification; batch-specific values confirmed per production. Confidential — for the intended recipient only.

3. Safety Data Sheet (SDS)

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** Safety Data Sheet — GHS 16-section (representative) | **Issue date:** 2026-06-22 | **Version:** 1.0

Prepared in the UN GHS 16-section format (aligned with US OSHA HazCom 29 CFR 1910.1200 and EU REACH Annex II). The finished product is a cosmetic; classification below reflects the representative formula. Batch- or formula-specific SDS is reissued where the agreed formula differs (e.g. essential-oil load).

- 1. Identification** — Product: Cuticle Oil (anhydrous oil blend). Use: cosmetic, external nail / skin care. Supplier: NailLegend (naillegend.com). Contact: Lareina. Emergency: contact supplier during business hours.
- 2. Hazard identification** — GHS classification: Not classified as hazardous (fragrance-free / low essential-oil lines). Lines with higher essential-oil load (e.g. tea tree, citrus) may carry: Skin Sens. 1 — H317 (may cause an allergic skin reaction); Aquatic Chronic — H411 (essential-oil components, environmental). Signal word: None / Warning (by line). Precautionary statements (sensitiser lines): P261, P272, P280, P302+P352, P333+P313, P501.
- 3. Composition / information on ingredients** — Mixture (cosmetic), anhydrous oil phase. Components of note: Simmondsia Chinensis (Jojoba) Seed Oil, Tocopherol (CAS 10191-41-0), Caprylic/Capric Triglyceride (CAS 65381-09-1); essential-oil constituents where dosed — Limonene (CAS 5989-27-5), Linalool (CAS 78-70-6). All present within cosmetic use limits. Full composition: see Section 1 (INCI).
- 4. First-aid measures** — Eyes: rinse with water for several minutes; remove contact lenses; seek advice if irritation persists. Skin: topical use; if an allergic reaction occurs (essential-oil lines), discontinue and seek advice. Ingestion: rinse mouth, do not induce vomiting, seek advice. Inhalation: not a normal route of exposure.
- 5. Fire-fighting measures** — Combustible liquid (oil); not readily flammable at ambient temperature. Suitable extinguishing media: foam, CO₂, dry powder, water spray. Avoid water jet on bulk burning oil.
- 6. Accidental release** — Contain and absorb with inert material; product is **oily and slippery** — **significant slip hazard**. Avoid bulk release to drains and the environment.
- 7. Handling & storage** — Handle per good hygiene practice. Store cool, dry, **away from direct sunlight and heat** to limit oxidation; keep containers closed; minimise headspace air for bulk.
- 8. Exposure controls / PPE** — Consumer use: no PPE required. Bulk handling (manufacturing): gloves and eye protection; no specific occupational exposure limit assigned to the finished mixture.
- 9. Physical & chemical properties** — Appearance, odour, density, refractive index and viscosity: see Section 2 (TDS). pH: not applicable (non-aqueous). Flash point: > 100 °C (vegetable-oil base; combustible, not flammable). Solubility: insoluble in water; miscible with oils.
- 10. Stability & reactivity** — Stable under recommended storage. Main degradation route: **oxidative rancidity on prolonged exposure to air, light and heat** — controlled by the antioxidant system and light-protective packaging. Incompatibilities: strong oxidisers; prolonged heat / UV. Hazardous decomposition products: none under normal use.

11. Toxicological information — Finished cosmetic confirmed safe for normal use through the brand owner's CPSR. Essential-oil components may cause skin sensitisation in predisposed individuals (allergen content in Section 5). Oils from tree-nut sources: see Section 7.

12. Ecological information — Vegetable oils are readily biodegradable. Essential-oil constituents (e.g. limonene) may be classified toxic to aquatic life with long-lasting effects — avoid bulk discharge to the environment.

13. Disposal — Dispose of contents and container in accordance with local regulations.

14. Transport information — Not classified as dangerous goods for transport (finished cosmetic, small consumer packs). UN number: none. Bulk essential-oil concentrates (not this finished product) may be regulated — assessed separately.

15. Regulatory information — Cosmetic finished product. US: FDA cosmetic (MoCRA). EU: Regulation (EC) 1223/2009. Ingredients comply with applicable cosmetic inventories for the declared markets; essential oils dosed within IFRA limits (Section 6).

16. Other information — Abbreviations: PV peroxide value; PAO period after opening; ROE rosemary oleoresin extract; IFRA International Fragrance Association. An SDS is not legally mandatory for a finished cosmetic in all markets but is commonly requested by importers and logistics partners; this SDS is provided for that purpose.

NailLegend · naillegend.com — Representative SDS for the finished cosmetic. Confidential — for the intended recipient only.

4. Formulation Disclosure Statement

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** Formulation Disclosure Statement | **Issue date:** 2026-06-22 | **Version:** 1.0

This statement gives the brand owner's safety assessor the functional composition and permitted-range information needed to build the CPSR / PIF, while protecting NailLegend's specific know-how. Exact weight percentages of the locked formula are disclosed **confidentially to the named safety assessor under NDA**; this statement provides the functional framework and confirms each restricted / dosed ingredient sits within its permitted limit.

1. Functional composition framework

Block	Function	Representative ingredients
Carrier-oil base	Anhydrous emollient / occlusive carrier	Joboba Seed Oil (primary), Caprylic/Capric Triglyceride, Grape Seed Oil, Sweet Almond Oil
Antioxidant system	Controls oxidative rancidity (the anhydrous shelf-life driver)	Tocopherol (Vitamin E), Rosemary Leaf Extract (optional)
Premium emollient (optional)	Light, stable skin-feel	Squalane
Sensory / actives	Aroma; marketing actives	Parfum and/or essential oils (lavender, tea tree, lemon); optional biotin/vitamin derivatives

No water phase, no preservative system, no emulsifier — the product is a cold-blended single oil phase. This is by design and is the reason no preservative-efficacy or microbiological testing is included (see Sections 0, 2, 3).

2. Restricted / dosed-ingredient confirmation

Ingredient (class)	Permitted / control basis	This product
Tocopherol (antioxidant)	Standard cosmetic antioxidant use level	Dosed to protect the oil phase (typical 0.2 – 1.0%)
Essential oils (lavender / tea tree / citrus)	Dosed within IFRA limits for leave-on (Cat. 5) use	Within IFRA max for the category — see Section 6
Fragrance & natural allergens	Allergens declared at threshold; IFRA-compliant	See Sections 5 & 6
Carrier oils from tree-nut sources	Allergen advisory applies	See Section 7
Colourant (if any)	EU Annex IV / US permitted colour additive	None unless tinted to brief

3. What is and is not disclosed

- **Disclosed openly:** the functional framework, ingredient identities, the anhydrous / preservative-free nature, and confirmation each dosed material is within its permitted / IFRA limit.
- **Disclosed under NDA to the safety assessor only:** exact weight percentages of the locked formula (carrier-oil ratios, tocopherol level, essential-oil load), supplier identities, and process parameters.
- **Not disclosed:** proprietary carrier-blend ratios and process know-how unrelated to safety assessment.

4. Manufacturer statement

For the locked formula supplied to a customer, NailLegend confirms that all ingredients are used within the limits and conditions permitted for cosmetic use in the customer's declared target markets, that essential oils are dosed within applicable IFRA limits, and that supporting analytical data (oxidative stability — peroxide value, appearance, odour) is provided in this dossier. No preservative or microbiological data applies, as the product is anhydrous.

Issued by: **NailLegend — Quality Assurance** · naillegend.com · 2026-06-22

NailLegend · naillegend.com — Functional disclosure for safety-assessment support; exact percentages under NDA. Confidential — for the intended recipient only.

5. Fragrance Allergen Declaration

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** EU Fragrance Allergen Declaration | **Issue date:** 2026-06-22 | **Version:** 1.0

Basis: EU Regulation (EC) 1223/2009. As a **leave-on** product, allergens present at $\geq 0.001\%$ (**10 ppm**) must be named in the on-pack INCI list. For cuticle oil the allergens arise from both added fragrance **and the natural constituents of essential oils** (lavender, tea tree, citrus, etc.) — both are declared on the same basis. The table below shows a representative **lavender-type essential-oil line dosed at 1.0%**. Content is reconfirmed by the fragrance / essential-oil supplier for the specific aroma of each order; a **fragrance-free / unscented** variant declares "none present." (Note: Reg. (EU) 2023/1545 expands the declarable list — the supplementary sheet is added where the target market requires it.)

Allergen content (representative — lavender essential-oil line @ 1.0%)

#	Allergen (INCI)	CAS	Present	% in product	On-pack declaration
1	Linalool	78-70-6	Yes	0.2500	Required
2	Limonene	5989-27-5	Yes	0.0400	Required
3	Geraniol	106-24-1	Yes	0.0090	Required
4	Citronellol	106-22-9	Yes	0.0060	Required
5	Coumarin	91-64-5	Yes	0.0030	Required
6	Citral	5392-40-5	Yes	0.0014	Required
7	Eugenol	97-53-0	Trace	< 0.0010	Not required (below threshold)
—	Cinnamal, Isoeugenol, Benzyl Benzoate, Benzyl Salicylate, Farnesol, Benzyl Alcohol, others	various	No / trace	< 0.0010	Not required

On-pack declaration required for this line: *Linalool, Limonene, Geraniol, Citronellol, Coumarin, Citral.*

Citrus lines (e.g. lemon) shift the profile toward **Limonene** and **Citral**; tea-tree lines toward **Limonene** and **Linalool**; **cinnamon / clove** essential oils carry **Cinnamal / Eugenol** and are dosed and declared accordingly. Each aroma is assessed on its own supplier data.

Declaration

For the fragrance / essential oil dosed in this product, the allergens marked "Required" above are included in the on-pack INCI list. A **fragrance-free / unscented** variant contains no added fragrance allergens. Values are reconfirmed by the fragrance / essential-oil supplier for the specific aroma and dosage of each order.

Issued by: **NailLegend – Quality Assurance** · naillegend.com · 2026-06-22

NailLegend · naillegend.com — Representative allergen content; reconfirmed per fragrance / essential-oil dosage. Confidential — for the intended recipient only.

6. IFRA Conformity Statement

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** IFRA Conformity Statement | **Issue date:** 2026-06-22 | **Version:** 1.0

This statement is supported by the **IFRA Certificate of Conformity issued by the fragrance / essential-oil supplier** for the specific aroma compound and its dosage. For cuticle oil this is the **core sensory-compliance document**, because the product is essentially "oil + aroma" and the essential-oil load is what IFRA caps. The supplier's certificate is held on file and provided to the brand owner's safety assessor on request. A **fragrance-free / unscented** variant requires no IFRA statement.

1. Product use category

Item	Value
Product type	Cuticle Oil (leave-on, applied to cuticle / nail)
IFRA product category	Category 5A (body lotion / leave-on hand & body)
Aroma dosage in finished product	1.0% (representative essential-oil line; to brief)
IFRA Standards edition	51st Amendment

2. Conformity statement

The fragrance / essential-oil compound used at **1.0%** in this Cuticle Oil conforms to the **IFRA Standards (51st Amendment)** for the applicable product category. All restricted, prohibited and specified materials — including the constituents most relevant to natural essential oils such as **citral, citrus oils, cinnamaldehyde and eugenol** — are within the maximum levels set by the relevant IFRA Standards for this leave-on use, as confirmed by the supplier's IFRA Certificate of Conformity held on file.

3. Relationship to allergen labelling

IFRA conformity governs **safe use levels** and is separate from EU **allergen labelling** (declaring allergens at threshold). Allergen content for the dosed aroma is reported in Section 5.

4. Authorisation

Confirmed on the basis of the fragrance / essential-oil supplier's IFRA certificate for the dosed aroma and concentration.

Issued by: **NailLegend — Quality Assurance** · naillegend.com · 2026-06-22

NailLegend · naillegend.com — Supported by the fragrance / essential-oil supplier's IFRA Certificate of Conformity. Confidential — for the intended recipient only.

7. Tree-Nut Source Allergen Declaration

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** Tree-Nut / Plant-Source Allergen Declaration | **Issue date:** 2026-06-22 | **Version:** 1.0

This declaration covers **food-type allergen sources** of the carrier oils — relevant because some carrier oils in cuticle-oil blends are derived from **tree nuts** (e.g. sweet almond). It supports the brand owner's labelling and consumer-advisory decisions. It is distinct from the fragrance-allergen labelling in Section 5.

1. Carrier-oil source status (representative)

Carrier oil (INCI)	Botanical source	Tree-nut source?	Used in this product
Simmondsia Chinensis (Jojoba) Seed Oil	Jojoba shrub seed	No	Yes (primary base)
Caprylic/Capric Triglyceride	Coconut/palm-derived fractionated	No	Optional
Vitis Vinifera (Grape) Seed Oil	Grape seed	No	Optional
Helianthus Annuus (Sunflower) Seed Oil	Sunflower seed	No	Optional
Prunus Amygdalus Dulcis (Sweet Almond) Oil	Almond (tree nut)	Yes	Line-dependent
Squalane	Olive- or sugarcane-derived	No	Optional (premium line)

2. Declaration

- The **primary carrier (jojoba) is not a tree nut**, and the standard NailLegend base can be supplied **tree-nut-free** on request.
- Where a line includes **sweet almond oil (a tree-nut-derived oil)**, the brand owner should consider an on-pack **tree-nut allergen advisory** appropriate to the target market (e.g. "Contains almond (tree-nut) oil").
- The botanical / source identity of every carrier oil in the locked formula is confirmed for each order so the brand owner can finalise allergen advisories.

3. Cross-contact

NailLegend handles a range of plant-derived oils. For lines specified as **tree-nut-free**, sourcing and line cleaning are managed to support that claim; specific cross-contact assurance and any "may contain" wording are agreed per order and per target-market requirement.

Issued by: **NailLegend — Quality Assurance** · naillegend.com · 2026-06-22

NailLegend · naillegend.com — Carrier-oil source declaration; confirmed per locked formula. Confidential — for the intended recipient only.

8. Stability Test Report

Issued by: NailLegend · naillegend.com | **Contact:** Lareina | **Product:** Cuticle Oil **Document:** Stability Test Report — representative result | **Issue date:** 2026-06-22 | **Version:** 1.0

Physical, chemical and packaging-compatibility stability supporting shelf life / PAO, tested in market packaging (amber glass dropper / brush-cap; tinted pen). For an **anhydrous oil product the controlling failure mode is oxidative rancidity**, so this study tracks **peroxide value, acid value, odour and colour** rather than microbiology or preservation. Results are **typical of NailLegend standard production**, issued by NailLegend in-house QC. Batch-specific stability is monitored under the ongoing programme.

Reference batch (example): **CTO-2406-01**

1. Study design

Condition	Temperature	Pull points
Real-time	25 ± 2 °C / 60% RH (dark)	0, 3, 6, 12, 24 months
Accelerated	40 ± 2 °C / 75% RH	0, 1, 2, 3 months
Light exposure	ICH-type light cabinet	per protocol
Cold / freeze-thaw	4 °C; -5 ↔ 40 °C cycles	per protocol (cloud-point / clarity check)

Packaging tested: amber glass bottle + dropper / brush cap; tinted roller pen.

2. Parameters & results (typical)

Parameter	Acceptance	T0	Accel. 3 mo	Real-time 12 mo	Pass/Fail
Appearance (clarity, no sediment)	Clear, no separation	Conforms	Conforms	Conforms	Pass
Colour	Within range	Pass	No significant change	No significant change	Pass
Odour	No rancidity	Pass	Pass	Pass	Pass
Peroxide value (PV)	≤ 15 meq O ₂ /kg end of study	4	9	7	Pass
Acid value	≤ 4.0 mg KOH/g	1.1	1.6	1.4	Pass
Relative density	Spec ± range	Within	Within	Within	Pass
Low-temp clarity (freeze-thaw)	Clears at room temp	Pass	Pass	Pass	Pass
Light exposure (PV / colour shift)	Within limits in light-barrier pack	Pass	Pass	Pass	Pass

Antioxidant system (tocopherol ± rosemary extract) plus the light-barrier pack keeps peroxide value well below the acceptance limit through accelerated and real-time pulls — confirming oxidation, not microbial growth, is the relevant control for this anhydrous product.

3. Conclusion

Based on accelerated and real-time data, the assigned shelf life is **24 months unopened** in the light-protective pack (PAO 12M after opening). Real-time study to 24 months is ongoing and confirms stability to date. Overall result: **PASS (real-time ongoing)**.

Issued by: **NailLegend — Quality Control (in-house)** · naillegend.com · 2026-06-22

NailLegend · naillegend.com — Representative in-house result; ongoing real-time programme. Confidential — for the intended recipient only.